



3/13

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/078,757  
Source: 01PF  
Date Processed by STIC: 3/7/02

BEST AVAILABLE COPY

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the

U.S. Patent and Trademark Office, and instead should be sent via the following to the Patent and Trademark Office:

1. EFS-Web (<http://www.uspto.gov/cbc/cis/downloads/documents.htm>), EFS Submission User Manual - ePAVE)

2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

O1PE

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 101078,757

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1  Wrapped Nucleic  
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2  Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3  Misaligned Amino  
Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4  Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5  Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6  PatentIn 2.0  
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7  Skipped Sequences  
(OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8  Skipped Sequences  
(NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000

9  Use of n's or Xaa's  
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.

10  Invalid <213>  
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11  Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12  PatentIn 2.0  
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13  Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



Does Not Comply  
Corrected Diskette Needed

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/078,757

DATE: 03/07/2002  
TIME: 10:20:34

Input Set : A:\598-0CON1SEQLIST.TXT  
Output Set: N:\CRF3\03072002\J078757.raw

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

4 <110> APPLICANT: BARBAS, C. F.  
5 RADER, C.  
7 <120> TITLE OF INVENTION: HUMANIZATION OF MURINE ANTIBODY  
10 <130> FILE REFERENCE: TSRI 598.0-CON1  
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/078,757  
C--> 12 <141> CURRENT FILING DATE: 2000-02-19  
12 <150> PRIOR APPLICATION NUMBER: US 08/986,016  
13 <151> PRIOR FILING DATE: 1997-12-05  
15 <160> NUMBER OF SEQ ID NOS: 56  
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 8  
21 <212> TYPE: PRT  
22 <213> ORGANISM: amino acid *invalid response, see error*  
24 <400> SEQUENCE: 1  
25 His Asn Tyr Gly Ser Phe Ala Tyr  
26 1 5  
29 <210> SEQ ID NO: 2  
30 <211> LENGTH: 9  
31 <212> TYPE: PRT  
32 <213> ORGANISM: amino acid *invalid response, see error*  
34 <400> SEQUENCE: 2  
35 Gln Gln Ser Asn Ser Trp Pro His Thr  
36 1 5  
39 <210> SEQ ID NO: 3  
40 <211> LENGTH: 37  
41 <212> TYPE: DNA  
42 <213> ORGANISM: nucleic acid *invalid response, see error*  
44 <400> SEQUENCE: 3  
45 gggcccaaggc ggccgagctc cagatgaccc agtctcc  
47 <210> SEQ ID NO: 4  
48 <211> LENGTH: 37  
49 <212> TYPE: DNA  
50 <213> ORGANISM: nucleic acid *invalid response, see error*  
52 <400> SEQUENCE: 4  
53 gggcccaaggc ggccgagctc gtgatgaccc agtctcc  
55 <210> SEQ ID NO: 5  
56 <211> LENGTH: 37  
57 <212> TYPE: DNA  
58 <213> ORGANISM: nucleic acid *invalid response, see error*  
60 <400> SEQUENCE: 5  
61 gggcccaaggc ggccgagctc gtgwtgaccc agtctcc  
63 <210> SEQ ID NO: 6

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/078,757

DATE: 03/07/2002  
TIME: 10:20:34

Input Set : A:\598-0CON1SEQLIST.TXT  
Output Set: N:\CRF3\03072002\J078757.raw

64 <211> LENGTH: 37  
65 <212> TYPE: DNA  
66 <213> ORGANISM: nucleic acid  
68 <400> SEQUENCE: 6  
69 gggcccaggc ggccgagctc acactcacgc agtctcc 37  
71 <210> SEQ ID NO: 7  
72 <211> LENGTH: 23  
73 <212> TYPE: DNA  
74 <213> ORGANISM: nucleic acid  
76 <400> SEQUENCE: 7  
77 cagtaataca ctgcaaaaatc ttc 23  
79 <210> SEQ ID NO: 8  
80 <211> LENGTH: 23  
81 <212> TYPE: DNA  
82 <213> ORGANISM: nucleic acid  
84 <400> SEQUENCE: 8  
85 cagtaataaa ccccaacatc ctc 23  
87 <210> SEQ ID NO: 9  
88 <211> LENGTH: 40  
89 <212> TYPE: DNA  
90 <213> ORGANISM: nucleic acid  
92 <400> SEQUENCE: 9  
93 gggcccaggc ggccgagctc gtgbtgacgc agccgcctc 40  
95 <210> SEQ ID NO: 10  
96 <211> LENGTH: 40  
97 <212> TYPE: DNA  
98 <213> ORGANISM: nucleic acid  
100 <400> SEQUENCE: 10  
101 gggcccaggc ggccgagctc gtgctgactc agccaccctc 40  
103 <210> SEQ ID NO: 11  
104 <211> LENGTH: 43  
105 <212> TYPE: DNA  
106 <213> ORGANISM: nucleic acid  
108 <400> SEQUENCE: 11  
109 gggcccaggc ggccgagctc gccctgactc agcctccctc cgt 43  
111 <210> SEQ ID NO: 12  
112 <211> LENGTH: 46  
113 <212> TYPE: DNA  
114 <213> ORGANISM: nucleic acid  
116 <400> SEQUENCE: 12  
117 gggcccaggc ggccgagctc gagctgactc agccaccctc agtgtc 46  
119 <210> SEQ ID NO: 13  
120 <211> LENGTH: 40  
121 <212> TYPE: DNA  
122 <213> ORGANISM: nucleic acid  
124 <400> SEQUENCE: 13  
125 gggcccaggc ggccgagctc gtgctgactc aatccctc 40  
127 <210> SEQ ID NO: 14  
128 <211> LENGTH: 40

## RAW SEQUENCE LISTING

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Input Set : A:\598-0CON1SEQLIST.TXT

Output Set: N:\CRF3\03072002\J078757.raw

129 <212> TYPE: DNA  
 130 <213> ORGANISM: nucleic acid  
 132 <400> SEQUENCE: 14  
 133 gggcccaggc ggccgagctc atgctgactc agccccactc 40  
 135 <210> SEQ ID NO: 15  
 136 <211> LENGTH: 40  
 137 <212> TYPE: DNA  
 138 <213> ORGANISM: nucleic acid  
 140 <400> SEQUENCE: 15  
 141 gggcccaggc ggccgagctc gggcagactc agcagctctc 40  
 143 <210> SEQ ID NO: 16  
 144 <211> LENGTH: 40  
 145 <212> TYPE: DNA  
 146 <213> ORGANISM: nucleic acid  
 148 <400> SEQUENCE: 16  
 149 gggcccaggc ggccgagctc gtgggtgacyc aggagccmtc 40  
 151 <210> SEQ ID NO: 17  
 152 <211> LENGTH: 40  
 153 <212> TYPE: DNA  
 154 <213> ORGANISM: nucleic acid  
 156 <400> SEQUENCE: 17  
 157 gggcccaggc ggccgagctc gtggctgactc agccacattc 40  
 159 <210> SEQ ID NO: 18  
 160 <211> LENGTH: 21  
 161 <212> TYPE: DNA  
 162 <213> ORGANISM: nucleic acid  
 164 <400> SEQUENCE: 18  
 165 gcagtaataa tcagccatc 21  
 167 <210> SEQ ID NO: 19  
 168 <211> LENGTH: 44  
 169 <212> TYPE: DNA  
 170 <213> ORGANISM: nucleic acid  
 172 <400> SEQUENCE: 19  
 173 gctgccccaaac cagccatggc eeagggtgcag ctgggtgcagt ctgg 44  
 175 <210> SEQ ID NO: 20  
 176 <211> LENGTH: 44  
 177 <212> TYPE: DNA  
 178 <213> ORGANISM: nucleic acid  
 180 <400> SEQUENCE: 20  
 181 gctgccccaaac cagccatggc ccagatcacc ttgaaggagt ctgg 44  
 183 <210> SEQ ID NO: 21  
 184 <211> LENGTH: 44  
 185 <212> TYPE: DNA  
 186 <213> ORGANISM: nucleic acid  
 188 <400> SEQUENCE: 21  
 189 gctgccccaaac cagccatggc cgagggtgcag ctgggtgsagt ctgg 44  
 191 <210> SEQ ID NO: 22  
 192 <211> LENGTH: 44  
 193 <212> TYPE: DNA

## RAW SEQUENCE LISTING

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Input Set : A:\598-0CON1SEQLIST.TXT

Output Set: N:\CRF3\03072002\J078757.raw

194 <213> ORGANISM: nucleic acid  
 196 <400> SEQUENCE: 22

197 gctgcccac cagccatggc ccaggtgcag ctgcaggagt cggg 44  
 199 <210> SEQ ID NO: 23  
 200 <211> LENGTH: 24  
 201 <212> TYPE: DNA  
 202 <213> ORGANISM: nucleic acid  
 204 <400> SEQUENCE: 23  
 205 cgcacagtaa tacacggccg tgtc 24  
 207 <210> SEQ ID NO: 24  
 208 <211> LENGTH: 21  
 209 <212> TYPE: DNA  
 210 <213> ORGANISM: nucleic acid  
 212 <400> SEQUENCE: 24  
 213 acctattgcc tacggcagcc g 21  
 215 <210> SEQ ID NO: 25  
 216 <211> LENGTH: 24  
 217 <212> TYPE: DNA  
 218 <213> ORGANISM: nucleic acid  
 220 <400> SEQUENCE: 25  
 221 cgcacagtaa tacacggccg tgtc 24  
 223 <210> SEQ ID NO: 26  
 224 <211> LENGTH: 8  
 225 <212> TYPE: PRT  
 226 <213> ORGANISM: amino acid  
 228 <400> SEQUENCE: 26  
 229 Asp Thr Ala Val Tyr Tyr Cys Ala  
 230 1 5  
 233 <210> SEQ ID NO: 27  
 234 <211> LENGTH: 8  
 235 <212> TYPE: PRT  
 236 <213> ORGANISM: amino acid  
 238 <400> SEQUENCE: 27  
 239 Asp Thr Ala Met Tyr Tyr Cys Ala  
 240 1 5  
 243 <210> SEQ ID NO: 28  
 244 <211> LENGTH: 69  
 245 <212> TYPE: DNA  
 246 <213> ORGANISM: nucleic acid  
 248 <400> SEQUENCE: 28  
 249 gacacggccg tgtattactg tgccgtcat aactacggca gtttgctta ctggggccag 60  
 250 ggaaccctgt 69  
 252 <210> SEQ ID NO: 29  
 253 <211> LENGTH: 42  
 254 <212> TYPE: DNA  
 255 <213> ORGANISM: nucleic acid  
 257 <400> SEQUENCE: 29  
 258 gaggaggagg aggagactag tttgtcaca agattggc tc 42  
 260 <210> SEQ ID NO: 30

RAW SEQUENCE LISTING  
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DATE: 03/07/2002  
TIME: 10:20:34

Input Set : A:\598-0CON1SEQLIST.TXT  
Output Set: N:\CRF3\03072002\J078757.raw

261 <211> LENGTH: 73  
262 <212> TYPE: DNA  
263 <213> ORGANISM: nucleic acid  
265 <400> SEQUENCE: 30  
266 gaagattttgcagtgttata ctgccccaca gagtaacagc tggcctcaca cgtttggcca 60  
267 ggggaccaag ctg 73  
269 <210> SEQ ID NO: 31  
270 <211> LENGTH: 21  
271 <212> TYPE: DNA  
272 <213> ORGANISM: nucleic acid  
274 <400> SEQUENCE: 31  
275 aatacgaactc actataggc g 21  
277 <210> SEQ ID NO: 32  
278 <211> LENGTH: 72  
279 <212> TYPE: DNA  
280 <213> ORGANISM: nucleic acid  
282 <400> SEQUENCE: 32  
283 gagatgttgggttttatttata ctgccaacag agtaacagct ggcctcacac gtttggccag 60  
284 gggaccaagct tg 72  
286 <210> SEQ ID NO: 33  
287 <211> LENGTH: 8  
288 <212> TYPE: PRT  
289 <213> ORGANISM: amino acid  
291 <400> SEQUENCE: 33  
292 Glu Asp Phe Ala Val Tyr Tyr Cys  
293 1 5  
296 <210> SEQ ID NO: 34  
297 <211> LENGTH: 8  
298 <212> TYPE: PRT  
299 <213> ORGANISM: amino acid  
301 <400> SEQUENCE: 34  
302 Glu Asp Val Gly Val Tyr Tyr Cys  
303 1 5  
306 <210> SEQ ID NO: 35  
307 <211> LENGTH: 69  
308 <212> TYPE: DNA  
309 <213> ORGANISM: nucleic acid  
311 <400> SEQUENCE: 35  
312 gaygaggctg attattactg ccaacagagt aacagctggc ctcacacgtt cggcggaggg 60  
313 accaagctg 69  
315 <210> SEQ ID NO: 36  
316 <211> LENGTH: 50  
317 <212> TYPE: DNA  
318 <213> ORGANISM: nucleic acid  
320 <400> SEQUENCE: 36  
321 agagagagag agagagagag cgccgtctag aattatgaac attctgttagg 50  
323 <210> SEQ ID NO: 37  
324 <211> LENGTH: 7  
325 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY  
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Input Set : A:\598-0CON1SEQLIST.TXT  
Output Set: N:\CRF3\03072002\J078757.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:46; N Pos. 26,27,29,30,32,33,35,36

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/078,757

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Input Set : A:\598-0CON1SEQLIST.TXT  
Output Set: N:\CRF3\03072002\J078757.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:442 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0